

AMENDMENTS TO THE CLAIMS

Pursuant to 37 C.F.R. § 1.121 the following listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) An electronic apparatus comprising:

a display panel operable to display a display signal;

an image information acquisition unit operable to acquire image information in the display signal;

a lighting unit operable to light said display panel;

a parameter adjusting unit operable to, ~~with a variation in a light amount of said lighting unit as a trigger, adjust a parameter participating in picture quality so as to conform said light amount, wherein the parameter participating in picture quality is one of hue, color gain, and edge enhancement in accordance with both a variation in a light amount of the light unit and the acquired image information in the display signal~~;

a signal correcting unit operable to input a the display signal and to correct picture quality of an the input display signal in accordance with an the adjusted parameter; and

a driving unit operable to drive said display panel on the basis of a corrected display signal.

2. (Original) The electronic apparatus as set forth in claim 1, wherein said parameter includes information used for tone reproduction curve correction.

3. (Previously Amended) An electronic apparatus comprising:
 - a display panel;
 - a lighting unit operable to light said display panel,
 - a parameter adjusting unit operable to, with a variation in a light state of said lighting unit as a trigger, adjust a parameter participating in picture quality so as to conform said light state; wherein said parameter includes information used for tone reproduction curve correction;
 - wherein said parameter includes information used for tone reproduction curve correction of at least two of a halftone priority characteristic that gives priority to a middle range and a high range/low range priority characteristic that gives priority to a high range/low range;
 - a signal correcting unit operable to input a display signal and to correct an input display signal in accordance with an adjusted parameter;
 - a driving unit operable to drive said display panel on the basis of a corrected display signal;and
 - an image information acquisition unit operable to acquire image information about a display signal, wherein:
 - if acquired image information shows that the display signal includes a great amount of middle ranges, the signal correcting unit makes tone reproduction curve correction according to the halftone priority characteristic; and
 - if acquired image information shows that the display signal includes a great amount of high ranges/low ranges, the signal correcting unit makes tone reproduction curve correction according to the high range/low range priority characteristic.

4. (Previously Amended) The electronic apparatus as set forth in Claim 3, wherein said image information acquisition unit acquires image information from one or both of file extension information and file header information about said display signal.

5. (Previously Amended) An electronic apparatus comprising:

- a display panel;
- a lighting unit operable to light said display panel;
- a parameter adjusting unit operable to, with a variation in a light state of said lighting means as a trigger, adjust a parameter participating in picture quality so as to conform said light state; said parameter including information used for tone reproduction curve correction;
- a signal correcting unit operable to input a display signal and to correct picture quality of an input display signal in accordance with an adjusted parameter; and
- a driving unit operable to drive said display panel on the basis of a corrected display signal;

wherein, when acquired image information shows an image that includes a great amount of halftone components, said signal correcting unit makes tone reproduction curve correction according to a halftone priority characteristic, and when acquired image information shows an image or a text that includes a great amount of high range/low range components, said signal correcting unit makes tone reproduction curve correction according to said high range/low range priority characteristic.

6. (Original) The electronic apparatus as set forth in Claim 1, wherein said parameter includes information about one or more of edge enhancement processing, hue adjustment, color gain adjustment, and white balance adjustment.

7. (Previously Amended) The electronic apparatus as set forth in Claim 17, further comprising an area used to store profile information about a device that has generated said display signal, wherein said signal correcting unit corrects said display signal while taking this profile into account.

8. (Previously Amended) The electronic apparatus as set forth in Claim 17, further comprising an operating unit that accepts operation of a user, and a control unit operable to input operational information from said operating unit, wherein

when operational information is not input continuously during a fixed time, said control unit turns off said lighting unit, and, with this turn-off as a trigger, causes said parameter adjusting unit to adjust said parameter participating in picture quality so as to conform a light state.

9. (Currently Amended) A recording medium recording a program, the program controlling an electronic apparatus that includes a display panel operable to display a display signal, a lighting unit operable to light the display panel, and a driving unit operable to drive the display panel, the program comprising:

an image information acquisition process of acquiring image information in the display signal;

~~a parameter adjusting process of, with a variation in a light amount of the lighting unit as a trigger, adjusting a parameter participating in picture quality so as to conform the light amount, wherein the parameter participating in picture quality is one of hue, color gain, and edge enhancement in accordance with both a variation in a light amount of the lighting unit and the acquired image information in the display signal; and~~

~~a signal correcting process of inputting a the display signal and correcting picture quality of an the input display signal in accordance with an the adjusted parameter and outputting it to the driving unit.~~

10. (Original) The recording medium recording a program as set forth in Claim 9, wherein the parameter includes information used for tone reproduction curve correction.

11. (Previously Amended) A recording medium recording a program, the program controlling an electronic apparatus that includes a display panel, a lighting unit operable to light the display panel, and a driving unit operable to drive the display panel, the program comprising:

~~a parameter adjusting process of, with a variation in a light state of the lighting unit as a trigger, adjusting a parameter participating in picture quality so as to conform the light state; wherein the parameter includes information used for tone reproduction curve correction; wherein said parameter includes information used for tone reproduction curve correction of~~

at least two of a halftone priority characteristic that gives priority to a middle range and a high range/low range priority characteristic that gives priority to a high range/low range;

a signal correcting process of inputting a display signal and correcting an input display signal in accordance with an adjusted parameter and outputting it to the driving unit; and

an image information acquisition process of acquiring image information about a display signal, wherein:

if acquired image information shows that said display signal includes a great amount of middle ranges, said signal correcting process makes tone reproduction curve correction according to said halftone priority characteristic; and

if acquired image information shows that said display signal includes a great amount of high ranges/low ranges, said signal correcting process makes tone reproduction curve correction according to said high range/low range priority characteristic.

12. (Original) The recording medium recording a program as set forth in Claim 11, wherein said image information acquisition process acquires image information from one of or both of file extension information and file header information about said display signal.

13. (Previously Amended) A recording medium recording a program, the program controlling an electronic apparatus that includes a display panel, a lighting unit operable to light the display panel, and a driving unit operable to drive the display panel, the program comprising:

a parameter adjusting process of, with a variation in a light state of the lighting unit as a

trigger, adjusting a parameter participating in picture quality so as to conform the light state; the parameter including information used for tone reproduction curve correction; and a signal correcting process of inputting a display signal and correcting picture quality of an input display signal in accordance with an adjusted parameter and outputting it to the driving unit; wherein, when acquired image information shows an image that includes a great amount of halftone components, said signal correcting process makes tone reproduction curve correction according to a halftone priority characteristic, and when acquired image information shows an image or a text that includes a great amount of high range/low range components, said signal correcting process makes tone reproduction curve correction according to said high range/low range priority characteristic.

14. (Original) The recording medium recording a program as set forth in Claim 9, wherein said parameter includes information about one or more of edge enhancement processing, hue adjustment, color gain adjustment, and white balance adjustment.

15. (Previously Amended) The recording medium recording a program as set forth in Claim 18, wherein profile information about a device that has generated said display signal is stored, and said signal correcting process corrects said display signal while taking this profile into account.

16. (Previously Amended) The recording medium recording a program as set forth in Claim 18, wherein, when operational information is not input from a user continuously during a fixed time,

said lighting means is turned off, and, with this turn-off as a trigger, said parameter adjusting process adjusts said parameter participating in picture quality so as to conform a light state.

17. (Currently Amended) An electronic apparatus comprising:

a display panel operable to display a display signal;

a lighting unit operable to light the display panel;

an image information acquisition unit operable to acquire image information in the display signal;

~~a parameter adjusting unit operable to, with a variation in a light state of the lighting unit as a trigger, adjust a parameter participating in picture quality so as to conform to the light state in accordance with both a variation in a light state of the lighting unit and the acquired image information in the display signal~~;

a signal correcting unit operable to input ~~a~~ the display signal and to correct picture quality of ~~an~~ the input display signal in accordance with ~~an~~ the adjusted parameter; and

a driving unit operable to drive the display panel according to a corrected display signal;

~~wherein the parameter includes information about at least one of edge enhancement processing, hue adjustment, and color gain adjustment~~.

18. (Currently Amended) A recording medium recording a program, the program controlling an electronic apparatus that includes a display panel operable to display a display signal, a lighting unit

operable to light the display panel, and a driving unit operable to drive the display panel, the program comprising:

an image information acquisition process of acquiring image information in the display signal;
a parameter adjusting process of, with a variation in a light state of the lighting unit as a trigger, adjusting a parameter participating in picture quality so as to conform to the light state in accordance with both a variation in a light state of the lighting unit and the acquired image information in the display signal; and

a signal correcting process of inputting a the display signal and correcting picture quality of an the input display signal in accordance with an the adjusted parameter and outputting it to the drive unit;

wherein the parameter includes information on at least one of edge enhancement processing, hue adjustment, and color gain adjustment.